

## GLAST Project CCB Minutes

CCB Date: 9/10/04

| CCR #          | Title   | CCB Disposition       |                       |           |          |             | Actions  |
|----------------|---|-----------------------|-----------------------|-----------|----------|-------------|--|
|                |   | Approved as Submitted | Approved with Changes | Withdrawn | Deferred | Cost Impact |  |
| CCR 433-0159R2 | Baseline the System Safety & Mission Assurance Plan (433-PLAN-0007)   |                       |                       | X         |          | None        | CCR withdrawn per Code 300 recommendation.   |
| CCR 433-0172R2 | Baseline the GLAST International Collaboration/Technology Transfer Control Plan (433-PLAN-0012)                         | X                     |                       |           |          | None        | Baseline GLAST ITAR Document w/NASA Contractor Export Control Philosophy section added per NASA Procedural Requirement (NPR) 2190.1 section 3.1.   |
| CCR 433-0208   | Baseline the GLAST Orbital Debris Assessment Report (433-RPT-0001)  |                       |                       | X         |          | None        | GLAST Project Management has determined that reports are not generally controlled by the CCB and therefore CCR 433-0208 will be withdrawn from CCB control. The Orbital Debris Assessment Report will be placed in the GLAST Library.  |
| CCR 433-0244R1 | Update the Atomic Oxygen Environment calculations in the GLAST Mission System Spec. (433-SPEC-0001)                     |                       |                       | X         |          | None        | CCR 433-0244R1 is being withdrawn as CCR 433-0258 (Revised Atomic Oxygen Environment calculations) provides the current atomic oxygen estimates to the GLAST Mission System Spec. (433-SPEC-0001)  |
| CCR 433-0255   | Update the Ground System Requirements Document (433-RQMT-0006)  | X                     |                       |           |          | None        | Incorporate CH-03 to 433-RQMT-0006 - Rev A. (GLAST Ground Systems Requirements Document) to update FOT personnel notification during GLAST mission.  |
| CCR 433-0256   | Add Sine Vibration and Random Vibration Test Levels to the GBM-SC IRD (433-IRD-0002)                                    | X                     |                       |           |          | None        | Incorporate CH-14 to 433-IRD-0002 (GBM-SC IRD). Change will provide updated random vibration test levels and sine vibration test levels to the GBM-SC IRD.   |
| *CCR 433-0258  | Revise Atomic Oxygen Environment Calculations in the GLAST Mission System Spec.(433-SPEC-0001 - Rev. A)                 | X                     |                       |           |          | None        | Incorporate CH-10 to 433-SPEC-0001 (GLAST Mission System Spec. Rev A.) Change will replace atomic oxygen environment estimates in the GLAST Mission System Spec.   |
| *CCR 433-0259  | Remove Requirements for Soldered Electrical & Electronic Assemblies reference in the GLAST MAR document (433-MAR-0003). | X                     |                       |           |          | None        | Incorporate CH-08 to 433-MAR-0003 (GLAST Mission Assurance Requirements). Change will remove the reference to Requirements for Soldered Electrical & Electronic Assemblies from Section 9 of the GLAST SC MAR. A recent ISO 9100 audit determined that this reference was not required in the MAR. |
| CCR 433-0260   | Revise the GLAST LAT MAR (433-MAR-0001 - Rev A) to correct reference documentation.                                     |                       | X                     |           |          | None        | Incorporate CH-02 to 433-MAR-0001 - Rev A. (LAT MAR). A recent ISO 9100 audit revealed minor discrepancies that require correction: Change Chapter 13 Title to "Applicable Documents", add the NAS standards as listed in the LAT PAIP Section 5.2, and remove NOTE 7 on page 27 of MAR.           |

## GLAST Project CCB Minutes

CCB Date: 9/10/04

|                            |  |          |   |  |  |      |  |
|----------------------------|--|----------|---|--|--|------|--|
| CCR 433-0261               | Remove Malindi and Wallops Ground Stations from the following requirements: 433-SPEC-0001 (Mission System Spec. Rev A.), 433-SPEC-0003 (S/C Performance Spec.), 433-RQMT-0006 (G/S Systems Requirements Doc. Rev A) and 433-OPS-0001 (Ops Concept Doc. Rev A.) |          | X |  |  | None | Incorporate CH-10 to 433-SPEC-0001 (GLAST Mission System Spec. Rev A.), CH-14 to 433-SPEC-0003 (GLAST S/C Performance Spec.), CH-03 to 433-RQMT-0006 (G/S Reqmts. Doc. Rev. A) and CH-01 to 433-OPS-0001 (Operations Concept Doc. Rev. A) Change will remove Malindi and Wallops G/S from referenced documents and remove TBRs from MSS and SPS documents.                       |
| CCR 433-0262               | Update the Risk Management Plan (433-PLAN-0002) to establish and record the Risk Classification Level for GLAST.   | X        |   |  |  | None | Incorporate CH-03 to 433-PLAN-0002 (GLAST Risk Management Plan). NASA Headquarters levied a requirement on all NASA Programs and Projects to establish and record a Risk Classification Level for each NASA sponsored payload. Change will establish the GLAST Project as Risk Classification Level B per NPR 8705.4, Risk Classification for NASA Payloads dated June 14, 2004. |
| CCR 433-0263               | Update GBM Thermal Control Requirements in GBM-SC IRD (433-IRD-0002) and the LAT-SC IRD (433-IRD-0001 Rev. B).   | X        |   |  |  | YES  | Incorporate CH-14 to 433-IRD-0002 (GBM-SC IRD) and CH-19 to 433-IRD-0001 (LAT-SC IRD Rev. B). Change will reduce the project reserve of the spacecraft power supply to the LAT from 710w to 670w in the LAT-SC IRD, and change the GBM thermal control limits in the GBM-SC IRD.   |
| *CCR 433-0264              | Update the LAT-GBM ICD (433-ICD-0001) to provide two alert telemetry packets and to remove TBDs in the document.   |          | X |  |  | None | Incorporate CH-01 to 433-ICD-0001 (LAT-GBM ICD). Change will add two alert telemetry packets to the ICD and remove TBDs. Erik Andrews to provide CM with walk on red line changes reviewed and approved by the Project Manager at the CCB.   |
| CCRs Approved Out-of-Board |  |          |   |  |  |      |  |
| CCR #                      | Title  | Comments |   |  |  |      |  |
|                            |  |          |   |  |  |      |  |

GLAST Project CCB Chairman Approval: Original signed by GLAST Project Manager\_\_\_\_\_

Date: September 14, 2004\_\_\_\_\_